

# NORTH DAKOTA

## Science and Engineering Profile

	N. Dakota	U.S.	Rank		N. Dakota	U.S.	Rank
Doctoral scientists, 1993	1,107	430,332	48	Total R&D performance, 1993 (millions)	\$91	\$161,427	48
Doctoral engineers, 1993	147	81,293	47	Industry R&D, 1993 (millions)	\$9	\$117,622	51
S&E doctorates awarded, 1993	54	25,409	43	Academic R&D, 1993 (millions)	\$54	\$19,489	44
of which, in psychology	30%	13%		of which, in life sciences	53%	55%	
in physical sciences	30%	15%		in engineering	26%	16%	
in life sciences	24%	24%		in physical sciences	8%	11%	
S&E postdoctorates, 1993				Higher education current-fund			
in doctorate-granting institutions	46	34,394	45	expenditures, 1993 (millions)	\$453	\$163,994	45
S&E graduate students, 1993				Number of SBIR awards, 1990-93	9	13,995	46
in doctorate-granting institutions	981	438,128	48	Patents issued to state residents, 1994	51	56,039	47
Population, 1994 (000s)	638	260,341	47	Gross state product, 1992 (billions)	\$13.1	\$5,994.1	49
Civilian labor force, 1994 (000s)	337	131,013	47	of which, agriculture	12%	2%	
Personal income per capita, 1994	\$18,546	\$21,809	39	manufacturing, mining, construction	15%	23%	
Federal spending				transportation, communication, utilities	9%	9%	
Total expenditures 1994 (millions)	\$3,909	\$1,284,896	47	wholesale and retail trade	18%	16%	
R&D obligations 1993 (millions)	\$50	\$65,394	49	finance, insurance, real estate	15%	18%	
				services	15%	20%	
				government	15%	12%	

Rankings and totals are based on data for the 50 States and D.C.

## Federal Obligations for Research and Development in North Dakota by Agency and Performer: Fiscal Year 1993

[Thousands of dollars]

	Total	Federal intramural	All FFRDCs	Industrial firms	Universities & colleges	Other nonprofits	State & local government	State rank
<b>Total, all agencies</b>	50,329	27,220	0	595	20,318	1,139	1,057	49
<b>Department of Agriculture</b>	27,062	18,992	0	0	8,070	0	0	18
<b>Department of Commerce</b>	295	0	0	0	0	0	295	38
<b>Department of Defense</b>	2,170	697	0	463	1,010	0	0	49
<b>Department of Energy</b>	5,449	0	0	40	5,409	0	0	37
<b>Dept. of Health &amp; Human Services</b>	3,041	0	0	0	1,675	1,139	227	48
<b>Department of the Interior</b>	8,111	7,531	0	0	537	0	43	25
<b>Department of Transportation</b>	492	0	0	0	0	0	492	49
<b>Environmental Protection Agency</b>	1,600	0	0	0	1,600	0	0	30
<b>Nat'l Aeronautics &amp; Space Admin.</b>	154	0	0	92	62	0	0	50
<b>National Science Foundation</b>	1,955	0	0	0	1,955	0	0	51
<b>State rank</b>	49	42	na	50	46	49	44	

Federal R&D obligations are as reported by funding agencies.

FFRDC = federally funded research and development center

SBIR = small business innovation research

na = not applicable

Prepared by the National Science Foundation/Division of Science Resources Studies. Data compiled from numerous sources.